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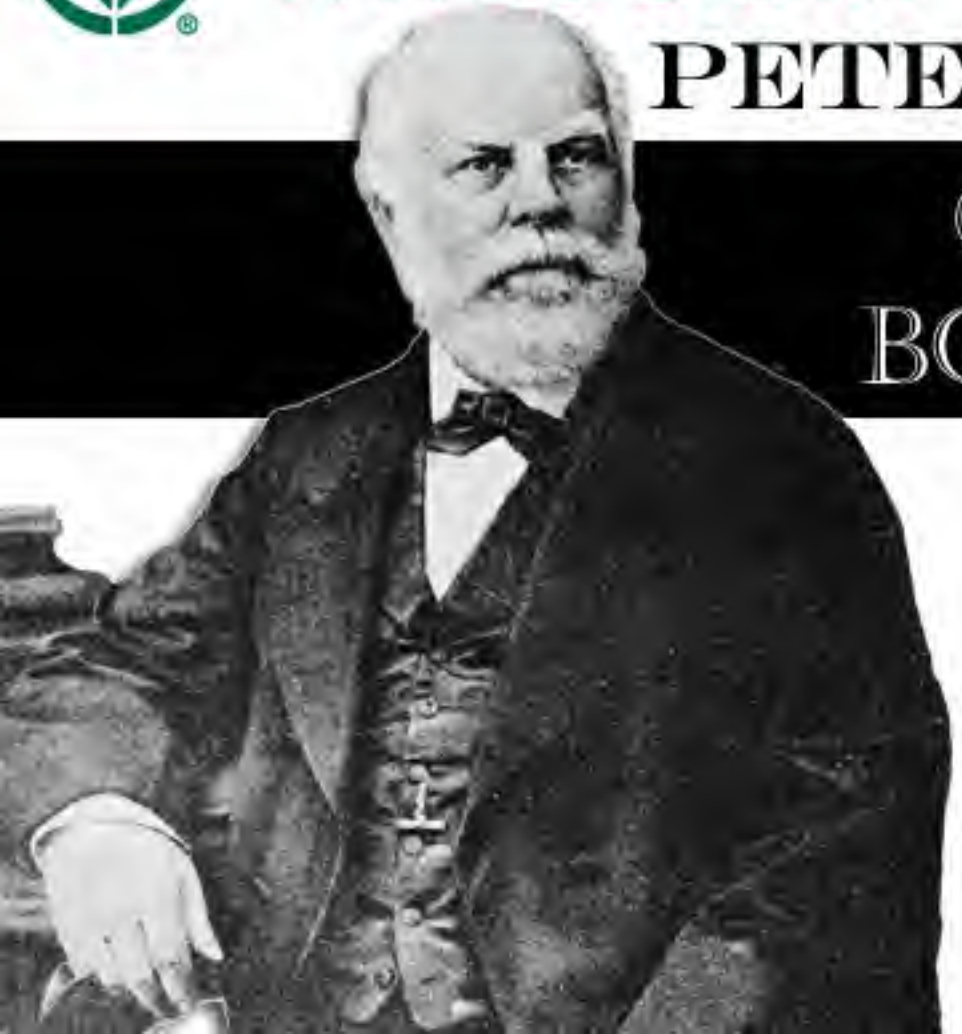


Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

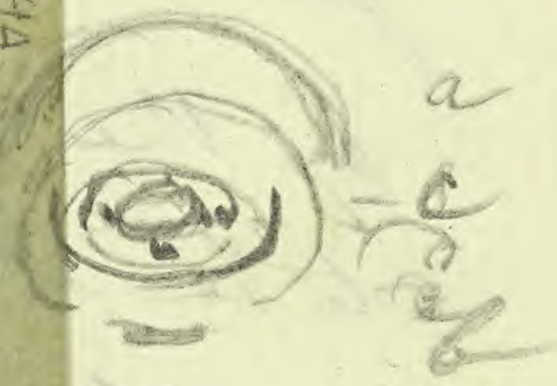
Tegmen = glumae

Anthephora elegans

ID 3344

Beauv. Agrost.
t. XIII f. 8. (J.T.)

J. Torrey mit Ap. 1859



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Anthephora elegans. Schreb.

Beauv. Agrost. t. XIII. f. 8.

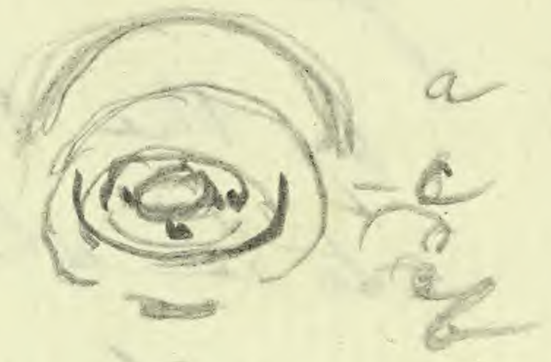
" a Épi
b. Involucre;
c le même ouvert
d " " vu en-dessous
e Locuste fermée
f Stragule de la fleurette hermaphrodite
g Ovaire
h Graine. "

Palis.

Locusta = spicula

Stragules = palèae

tegmen = glumae



section avec l'involucre

a glume ext. convexe

b — interne plane subtil.

c palea fl. neutre, fl. fertile

d d lem amplexicaules

pal. ext & int

fl. fertil is hermaph

long mit Apr. 1859

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10334B

Drummond's plant ~~refer~~ on which Author
Flora axillaris was founded, is just
like all our thin specimens of the
plant.

I shall make a new analysis from
Auth. & compare it with your diagrams
— for which I thank you —

As I write at the Temple of Mammon
you must expect me to be influenced
by the spirit of this place — & not
to be wholly accurate in my statements
— to be indulgent —

Yours in haste

Asa Gray

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Anthephora Sloan
Anthephora Schreb
Anthephora axillaeflora Steud. Syn.

= Wright, Coll. 1849. No. 785

= " " 1851-52, No. 2079

= Drummond, Tex. Coll. II. no. 359.

Also found by Dr. Leavenworth in
Arkansas. — &
by Schott. near Eagle Pass. on the
Rio Grande

Torrey writes: the two other N. American
Sp. of Anthephora ought, accord^g
to Col Munroe, be referred
to Atlantia

Torrey speaks of species &
the old world

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Anteplasia ng Steudel

(Central section, Fisher)

section involucri
4–5 partiti

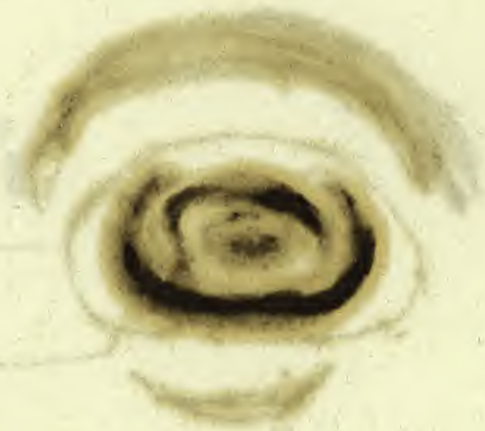
—— flosculos inferiores membranaceos

—— flosculos superiores
hermaphroditos.

gluma carina subulata.

Endlicher (pag 85) gives the same description, but calls the exterior carinate segments involucre = ext. gluma

10336



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ALEX. LEITCH,
APOTHECARY & PHARMACEUTIST,
Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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Aristida dichotoma My suberecta pauciculmis stricta pedicellis asperis glumis uninerviis apice aristatis florem involucrantibus paleis asperis, aristis lateralibus brevibus subinclusis erectis medii spiralitor tortis deflexa florem vix aequante.

N. Carolina! NJersey! Pennsyl.! NYork! ft. 2 l. long.

As specimens from Kentucky is larger, ft. 3 l. long, smoothish. Tang, Franklin Co Mo nov 1845

A. ramosissima Engl n. sp. diffuso ramosa, spica simplici lax. florum, pedicellis laevibus, glumis externa 5— interna profunde bifida 3— nervis, apice aristatis florem subaequantibus; paleis laevibus, aristis lateralibus brevissimis erectis, media elongata ~~dorsum~~ curvata dorsum deflexa, flore longiore

Prairies east of Belleville, 8–18 inches high, very rarely; glycerin tenuiter barbate, ~~flowers~~ leaves flat; florets 6–7 l. long, —

Aristida gracilis Ell Missouri simplex erecta parcifolia ramosa stricta; glumis ~~extensis~~ aristatis laevibus basi tri nervatis, interiore 1 nervia florem involucrantibus; palea laevi, aristis scabris, lateralibus erectis palea longioribus, media duplo longiore patula 10–18 inches high, Grevois settlement, Adams County ft. 2 l. long, lateral awns 3, central one 6–7 l. long

A. gracilis NJersey is the same

Aristida dichotoma var tri aristata L. erecta gracilis parce ramosa v. subsimplex paleis asperulis glumas excedentibus; aristis lateralibus subaequantibus florem, media deflexa (non torta) multo longiore.

Barren hills in Franklin Co Mo & south of the Missouri river roll. Nov 1845. foliis inferioribus parce pilosis; same as our missouri A. dichotoma

Aristida dichotoma tri aristata Dr Mead Illinois same as last but paleæ shorter than glumes and central awn twisted at base. paleæ smooth! leaves pilose.

A. d. tri aristata is also a specimen from Torrey labeled A. purpurascens Torr flor. — awns straight, not twisted, paleæ rough — leaves not hairy.

A. dichotoma tri aristata seems to be = A gracilis

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Spartina Stand #: 214

Am. sept.

1. Canadensis
2. juncifornis Torr
3. gracilis Hook — a writer
4 cynosuroides Willd
5 glabra Muhl.
6 patens Muhl Carol.
7 foliosa Trin Calif
16 pectinata Link Am. sept.
17 pumila Roth. Am sept

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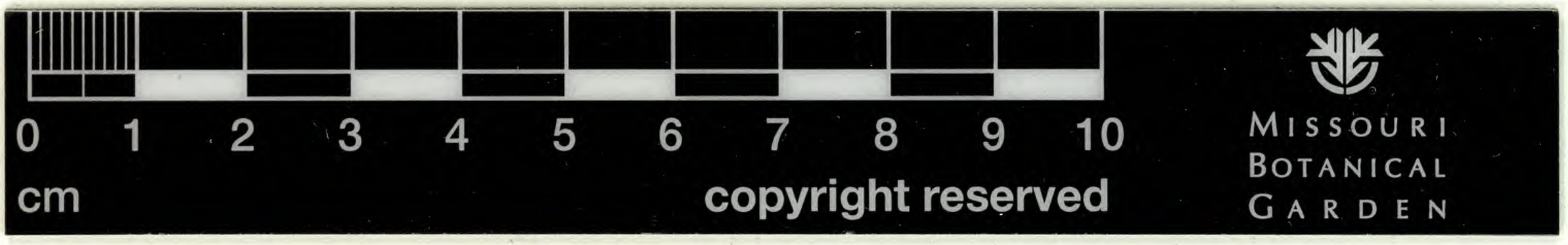

Stipa

U.S. Mex & Centr. Am. Vol. I. p. 124

42.	ciliata Schult. Fl.	12.
64	leucotricha Trin. Fl.	13
65	avenacea Fl.	14
66	Richardsoni	17
67	viridula Trin	19
75	comata	20
79	Spartea	35
83	demissa	

N. Or.

42. St. ciliata Scheele, Texas
64 St. leucotricha Trin Texas
65 St. avenacea Lin
barbata Mx bicolor Pursh
66 St. Richardsoni Link var. borealis.
67 St. viridula Trin
parviflora Nutt
Nuttalliana Steud.
75 St. comata Trin
pinetorum Nutt capillata Hook
79. St. spartea Trin robusta Nutt
macra Purh?
83. St. demissa Steud. N. Mex
Drummond

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Endlicher Genera

Graminaceae floribus monoecis s. dioicis

Trib I Oryzeae

730. Potamophila R.Br. — Nov Holl. — polygama

731. Hydrochloa P.B. — Am. bor. — monoica heter.

732 Zizania L — Am bor. — monoica h.

734 Canyochloa Trin — Brasil — mon

735 Luziola Juss — Am. trop — mon h.

739 Pharus P. Br. — Am trop — mon h.

740 Leptaspis R Br. — Austral. — mon h

Trib II Phalarideae

742 Zea Lin — Amer trop — mon h

743 Coix Lin — India — mon h.

752 Hilaria HBK — Mexic — mon h.

759 Despretzia Kunth = Zeugites — Mexic — mon

Trib III Paniceae

763 Amphicarpum Raf — Am bor. — mon

764 Olyra Lin — Am. trop — mon. h.

765 Streptium Schrad — Brasil — mon h

780 Chamaeraphis R Br. — Austral — mon h

787 Holboellia Wall — India — pol s. mon

791 Spinifex Lin — Nov Holl. Ind. or. — polyg. — dioic.

Trib. IV. Stipaceae

Trib V. Agrostideae

Trib VI Arundinaceae

Arundo divica Spreng = A. Sellowiana Schult. Montevid

826 Gynerium HBK. — Am. trop. — dioic. — dioic.

Trib VII Pappophoreae

Trib VIII. Chlorideae

Trib IX Avenaceae

Trib X Festucaceae

Trib XI Hordeaceae

919 Pariana Aubl — Am. trop — mon

Trib XII Rottboelliaceae

929. Merochloa R. Br. — Nov Holl. — mon conform.

930 Tripsacum Lin — Am. bor — mon h

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Trib XIII Andropogoneae

941 Pogonatherum Pal. B. ~~Hdg.~~ Orient polyg.

950 Andropogon Lin ~~Orbigt~~ Polyg.

952 Pogonopsis Trul Mexic Mon

955. Jeugites P. Br. Antill Mon

743.1 Chionachne A Br. =Coix Java mon. h.

743.2 Sclerachne A Br. Java monh

743.3 Polytoca A Br Java mon h.

---

truly

The only dioecious grass mentioned by Loddiges is the Southamerican Bamboo like Reed, Gynerium with two species — male & female flowers are conform.

22 genera are monoicous of which Hydrochloa and Zizania form one Genus, Zizania of 2 species — male & female flowers conform

Trispermum is the second Indian monoicous genus, flowers heteromorph ??. 2 species, of which one, T. cylindricum is said to be hermaphrod.

Zea Mais — heteromorph is the 3d — known Genus of this section.

So we have only 3 species of monoicous Genus in the U. S. flowers more or less conform and the ~~cultivated~~ Zea Mays with heteromorph flowers.

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Steudel Gramineae

Oryzeae

p. 4. Hydropyrum Lk — number of spec. 2

Zizania Lin — 4

5. Canarchlaa Trin — 2

Luziola Juss — 1

8 Pharus Lin — 6

Leptaspis R Br. — 3

Phalarideae

9. Zea Lin — 5

Reana Brign — 1

Sclerachne R Br. — 1

Coix Lin — 5

10 Polytoca R Br. — 1

12 Hilaria H B K. — 1

Paniceae

34 Kampmannia Steud ? Nees ? — 1

25 Oryza Lin — 26

27 Euchlaena Schrad. — 1

112 Lophotepis Decaisne — 1

113

4 Pariana Aubl — 10

119 Guaya W Arnott. — 1

Stipaceae

Agrostideae

Arundinaceae

195

196 Amphidonax Nees — 4

197

Pappophoreae

199

Chlorideae

Avenaceae

Festucaceae

Bambusaceae

334 Gu

Spinifex Lin sp. 6

Calamagrostis Adans Lam — 1

Gynerium H B K — 6

Schmidtia Steud ? — 1

Guadua Nees Steud ? —

15

69-70

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Hordeaceae

Rottboelliareae

357	Leptaxopsis Steud.	spec	1
358	Kerinozoma Steud		2
362	Trispsarum Lii		2

Andropogoneae

403	Heteralytron Taugh.	1
—	Cyathorhachis Nees	1
404	Pogonopsis Presl	1
411	Jeugiter A. Br.	2
		85

Panicum

Spiciferæ. Lin. Fedor & Nov Holl.

Glum: plants masculæ thyrsifloræ

plantæ ~~hermaphroditæ~~ spiculis ~~capitatis~~ 1 vel 2 floris

geniculo fl. infer. rectis, superne

hermaphr.

structura of flowers seems to be the same

though arrangement different

Gymnothrix (H.B. ~~Am. austr~~ (& N. Zeal.?) (paniculata)

Amudinaceæ) spiculis 2-floris

masc. imbecilis valv ext

fem. longiore pilosa valv ext.

arrangement of flowers racem, structure somewhat different, especially by the long hairs of the lower valve of the fem. fl.

Most monandrous Grasses among Oryzeæ, Phalarideæ, Paniceæ & Arthrodiaceæ

none among Stipaceæ, Agrostideæ Chlorideæ, Avenaceæ

Festucaceæ Hordeaceæ

among the Festucaceæ we find Eragrostis Beauv., & Briza spp.

among Phalarideæ are two genera

10341

P1279

North Amer. monoecious ~~with heteromorphous fl.~~
Fijan. ~~and hydrogynous~~ belongs to it. fl. nearly alike
and Trifoliaceae Dentaloides ~~Opuntia Rhodus~~
Nutt.

Jeri

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& Steudel Gluma[illegible]

p.l. — flores hermaphroditi, monoici, polygami,
rarissime dioici — —

glumae
valvulae
squamulae hypogynae (A. Br.) nonnullae 2–3
(aristia, lodiculae, parapetala)

1. Oryzeae p. 1
2. Phalarideae p. 8
3. Paniceae p. 16
4 Stipaceae p. 120
5 Agrostideae 146
6 Arundinaceae 187
7 Pappophoreae 198
8 Chlorideae 202
9. Avenaceae 218
10 Festucaceae 249
11 Bambusaceae 329
12 Hordeaceae 339
13 Rottboelliaceae 356
14 Andropogoneae 363

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Steud. Gramineae I, p. 111.

Paniceae

Antephora Schreb. Thyrsus v. spica simplex; involucrum monophyllum 4–5 fidum connivens, sinubus rotundatis hiantibus, demum indurat um, spiculas 1–5 includens; gluma unica (centrum involucri spectans) membranacea subulata floscul is minor biflora; flosculus inferior (gluma superior vulgo appellatus) membranaceus; superior hermaphroditus bivalvis chartaceus cum fructu indurescens; styli basi connati; caryopsis mucronata flosculo tecta. (Centhrioteca Trinius)

1. Antephora elegans Schreb. (in Kunth syn. Antephora) Ind. occ. Am. austr. Senegal (Mex. Kunth)

2. A. imberbis Nees 4 Afr. austr.

3 A. villosa Spr. Ind. occ.

4 A. Hochstetteri Nees (A. abyssinica Rich. Hyparrhenias cenchroides Hochst. A. Kotschyi Hochst. A. elegans Rupr.) 4 Abyss. Nub.

4b A. persica Boiss. 4 Persia

5 A. punctulata Steud. Mex. (Herb. Galeotti)

6. A Belangeri Steud (Herb. Belang) Mex.

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7. A. axilliflora Steud. Caespitosa stolonifera glabra; fol. linearibus angustissimis planis (3–6" longis, vix 1‴ latis) ad pares floriferos spatharco dilatatis foventibus spiculas 1–2; involucro osseo inaequaliter fisso, laciniis brevibus apice foliaceo aristis sub 3floris, glumis et valvulis omnibus subaequalibus apice foliaceo-aristatis, stylis in fertilibus elongatis

in Texas legit Drummond

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